

Flip with Care

SoLAR Southern Flare

Sydney, November 29th – 30th, 2012

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The University of Sydney

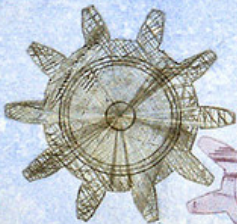
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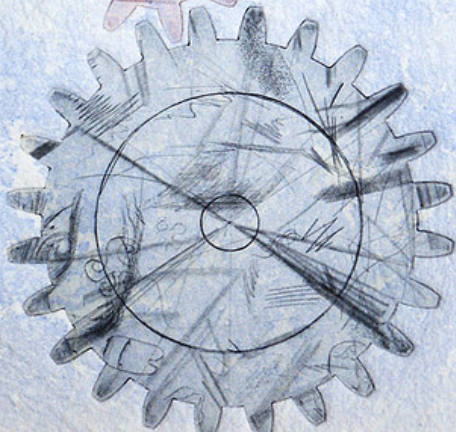
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Activity
Balance



Observation



React

Activity Balance





Flip or change in balance?




Prepare before!



Loose part of the action!





Will they be ready?

Face to face sessions are risky!



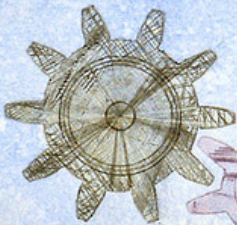
Well, this is embarrassing.

Firefox is having trouble recovering your window caused by a recently opened web page.

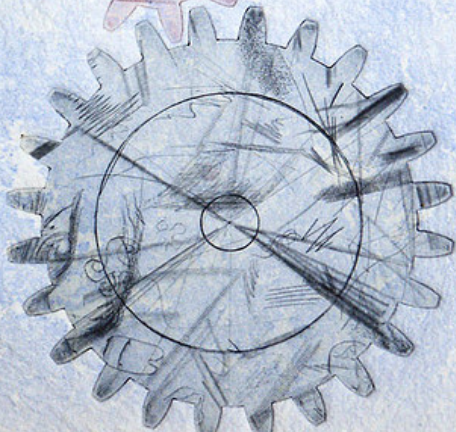
You can try:

- Removing one or more tabs that you think may be causing the problem
- Starting an entirely new browsing session

Activity
Balance



Observation





Which variables to sample?

Privacy as currency. Users pay with privacy





Observe engagement
while reading

The following figure shows the evolution of the variables in the program at different execution points. The memory addresses where the variables are stored are arbitrary.

Memory				Memory				Memory				Memory			
100	???	num1		100	???	num1		100	10	num1		100	10	num1	
104	???	num2		104	???	num2		104	20	num2		104	20	num2	
108	???	ptr1		108	100	ptr1		108	100	ptr1		108	104	ptr1	
112	???	ptr2		112	104	ptr2		112	104	ptr2		112	NULL	ptr2	
Before executing line 6				After executing line 7				After executing line 10				After executing line 13			

5.4.1. Self-assessment questions

1. Three variables are defined, an integer a, a pointer to integer b and a pointer to a pointer to integer c. How can c have the address of the address of the integer a?

☒ ☐ c = b; b = a;

☒ ☐ c = b; b = &a;

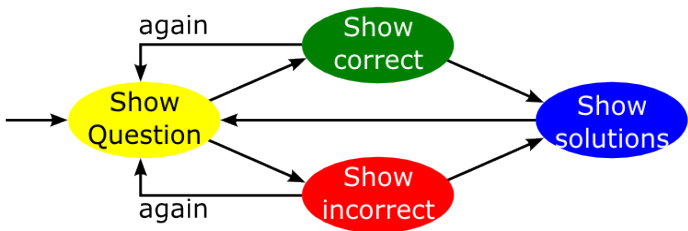
☒ ☒ c = &b; b = a;

☒ ☐ c = &b; b = &a;

← Embedded Question

Again

Solutions



5. What is a function prototype?

- ☐ A line in the program containing its name.
- ☐ A code line with the function name, parameters and the result it returns.
- ☐ The function definition: name and parameters followed by the code.
- ☐ A description written in paper of what a function should do in order to be implemented later.

Grade

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Again Solutions

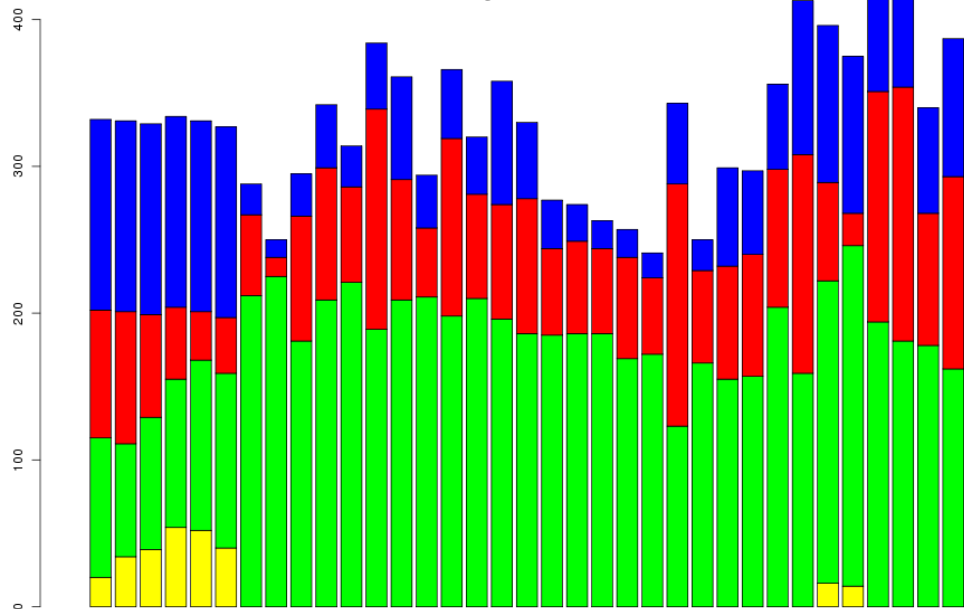
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Again Solutions

Events generate a page request!

Just in time teaching



Browser add-in

Participants

Notes

















Inactive for more than Select period ▼

User list Less detailed ▼

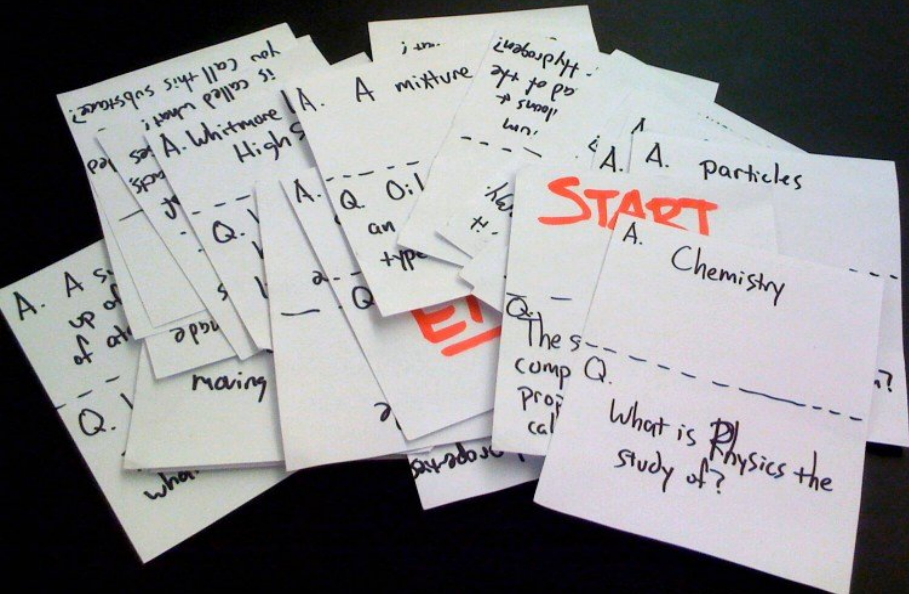
Current role All ▼

All participants: 27

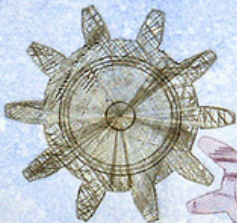
Page: (Previous) 1 2

	First name	Surname ↓		Last access	Select
			Student	24 days	
			Student	5 days	
			Student	5 days	
			Student	22 days	
			Student	28 days	

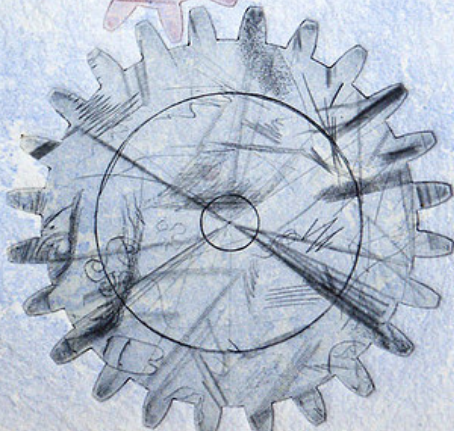
Markup-based Authoring flow modified



Activity
Balance

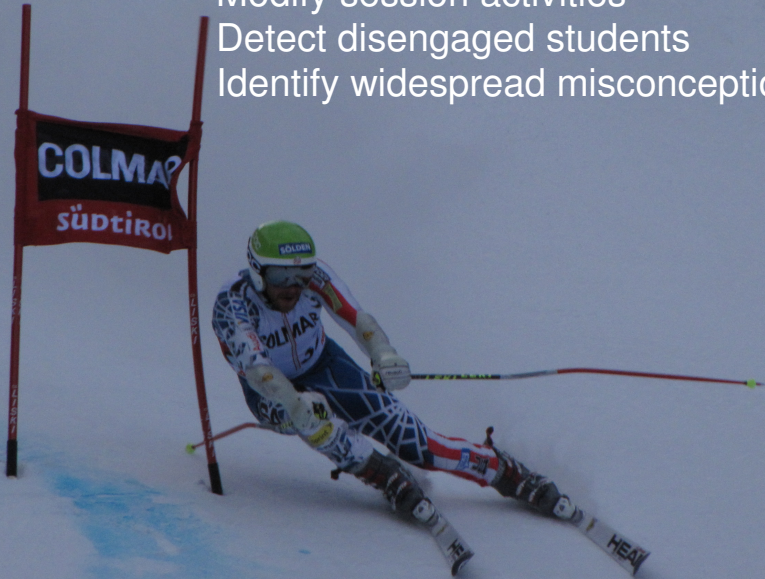


Observation



React

Modify session activities
Detect disengaged students
Identify widespread misconceptions



Instruction reflection

Interaction with multimedia content

E-book content

Track Rich Internet Applications

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